

"COME TO THE FRIENDLY NORTH"

FLIN FLON  
MANITOBA



NORTH OF "54"

ISSUED BY THE  
FLIN FLON BOARD OF TRADE



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**Prairie Provinces Collection**

## *"The Call of the North"*

In the circulating of this small booklet it is our earnest wish to outline in part, a few of the many interesting features of Flin Flon and the surrounding district which should appeal to all those seeking healthful recreation and enjoyment in this wonderful North Country.

We extend to the reader a hearty invitation to come and spend a vacation. Camp in the wilderness where nature has been undisturbed. Explore the surrounding lakes, unsurpassed in natural scenic beauty. Enjoy the thrill of landing a large lake trout, of shooting big game in season, all of which can be done just a few hours journey from a modern town of six thousand and a mine which ranks as the largest and most modern equipped copper mine in actual production in Canada.

A warm welcome will await you and the personal interest and attention of every business enterprise and private citizen will help to make your visit one of interest and pleasure long to be remembered.

G. W. EVANS,

President of Flin Flon Board of Trade.



G. W. EVANS

President of the Flin Flon  
Board of Trade

## *Foreword*

With the development of the mine at Flin Flon, a new country was opened up to the people of Canada and in the span of a few short years the Town of Flin Flon has grown from a few log shacks to a thriving modern town with a population of over six thousand people.

Flin Flon is situated at the end of the steel amid a setting of beautiful lakes and forests. Towering over the town are the huge smoke stacks from the smelter of the Hudson Bay Mining and Smelting Company, one of the largest copper producers in the world.

Nature in a prodigal mood, laid down one of the vastest copper deposits in the country at Flin Flon and the 25

million dollar mining plant located here produces more than 80,000 ounces of gold a year and 42 million pounds of zinc and 50 million pounds of copper.

The scenic beauty is second-to-none and a government highway is under construction into the Beaver Lake area which promises to be a Mecca for tourists for years to come. Chains of lakes provide waterways for hundreds of miles which lure the water tourist and fisherman as well as camping tourists. The winter season provides big game hunting in abundance.

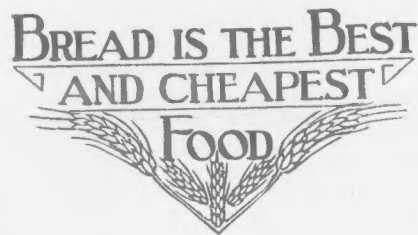
With a view of presenting in part, a few of Flin Flon's many and varied attractions, this booklet has been prepared.

# National Fruit Co. Limited

## WHOLESALE

FRUITS, VEGETABLES,  
GROCERIES, TOBACCOS,  
and CONFECTIONERY

### The Pas and Flin Flon



MADE

MAKES

FROM

FINEST

CANADA'S  
FINEST  
WHEAT

BREAD,  
CAKES,  
PASTRY

SOLD

AT

IN

Flin Flon

OSTRY'S  
Dept. Store



## How the Name "Flin Flon" Originated



**A** LONG time ago when the present town of Flin Flon was not even a very small dot on a very large map, a group of prospectors, far from the end of steel and civilization, came into possession of a well-worn dime novel, "The Sunless City". The hero of the tale, one, Josiah Flintabatty Flonatin, secured the backing of P. T. Barnum to build a submarine and descend to the apparently bottomless depths of a lake in an isolated region of the Rockies. After some two weeks exciting travel straight down, Mr. Flonatin came upon a placid interior sea where he stopped to rest and re-

taken to their capital. Here everything was backwards. The language was English but spelled backwards. The streets were paved with gold while tin and iron were used for coinage. The women ruled the country, wore the pants and grew the whiskers. The men were delicate and very carefully protected and sheltered. Now Flin Flon was a bachelor of forty-five, but this was just the age for courting since the average life span there was from three to four hundred years. Flin was a real catch, a veritable male debutante and the women all fell for his shy and winsome ways. The princess won the battle but not the heart of Flin. She weighed twice as much as Flin and was as boistrous as he was shy, just a great big wild woman of the underworld.

Flin was scared. He finally made his escape from Esnesnon ("nonsense" reversed) but when he got back he found that all his friends had given him up as lost and had erected a monument to him. No one would place any credence in his wild tale or even believe that he was really Josiah Flintabatty Flonatin.

The prospectors all read the book and were inclined to assign all of

the impossible tasks of their prospecting to that miraculous man, Flin Flon. The gold was discovered in the outcrop near where the old pilot mill now stands. They decided that surely this must be Flin Flon's famous mine. And so the mine was named FLIN FLON.



Flin Flon Scenes of Former Days

fresh himself after his strenuous voyage. Here he located gold beyond the wildest dreams of a bushed prospector ....literally whole mountains of gold. Flin Flon filled his pockets and his boat almost to capsizing. Then he was captured by a strange race of people and

# **Hudson Bay Mining & Smelting Company Limited**



SMELTER AT  
**FLIN FLON**  
MANITOBA





## From Flin Flon to Island Falls



THE development of the mine at Flin Flon necessitated a large dependable supply of power. It required a great deal of investigation and research to decide on the source of this power. Economy, dependability and further expansion were the factors which entered into this problem. A number of prospective sites were investigated with the result that Island Falls was found to be the closest which allowed for further expansion and was at the same time dependable and economical. The site of the power plant is on the Churchill River, fourteen miles west of the Manitoba-Saskatchewan boundary and fifty-eight miles northwest of Flin Flon. It is this isolated community which we are now going to visit.

Just as dawn begins to break we leave the Flin Flon warehouse, sitting on boxes, luggage or what-have-you, atop a flat car drawn by an electric locomotive. For eight miles we wind our way through spruce, birch and poplar,

comfortable as possible but there are smiles when one of the passengers requests to run or walk behind the wagon to relieve the monotonous jolting of the wagon.

At the end of an hour and a half we reach the south end of Mari Lake, where, in a waiting boat, we head northward. The lake is very pretty with its long narrow bays and numerous small islands. Leaving the northern end of the lake we cross three small portages and two lakes to reach the south end of Barrier Lake.

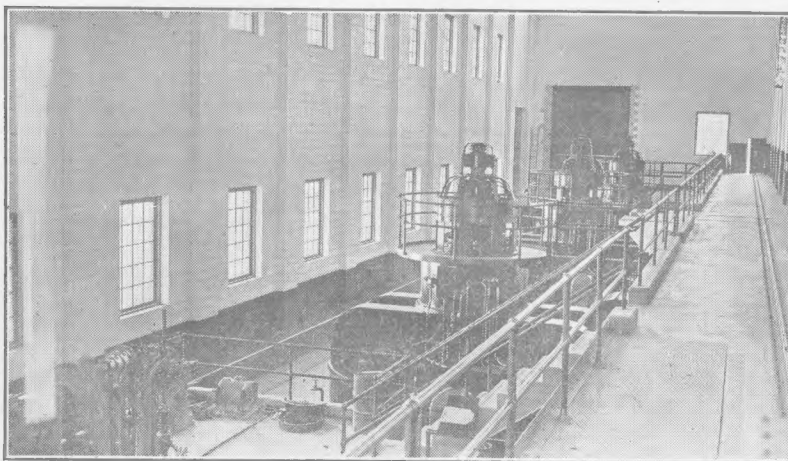
Here another large boat is waiting to take us across bays, through narrows, past numerous pretty islands, and over shoals causing us to again marvel at the skill of our guide until he lands us safely in the boathouse at Camp 6. We make the two mile portage from Camp 6 to Muddy Lake. We continue on through the L shaped lake, across a mile portage to the south end of Sandy Bay. We cross this three mile bay to the swift waters of the Churchill as it emerges through the new channel from the spillway dam south of the power house. We climb a small as-

cent from which we get our first glimpse of the power house just as the sun is sinking in the west.

Next morning we begin an inspection of the development. It consists of a main dam across the river

about three quarters of a mile from the camp, a concrete block power house whose substructure is part of the dam, a concrete spillway dam about

(Concluded on next page)



Three Main Generators at Island Falls

avoiding as we go on, muskeg swamps and rock hogbacks.

Then on a wagon drawn by a team we are taken across a six mile portage to Mari Lake. Everything is as com-

# A SUGGESTION

for  
QUICKLY PREPARED  
—‡— TASTY MEALS —‡—



THOROUGHLY COOKED...EASY TO SERVE

FROM PROPERTY LINE TO THE LOWEST  
UNDERGROUND STOPE



## STEEL PRODUCTS

Serve the  
CANADIAN MINING INDUSTRY

BOLTS AND NUTS

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NAILS

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WIRE

FENCE  
PIPE

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MONTREAL

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**GENERAL HARDWARE -- PAINTS**

and

**PROSPECTORS' SUPPLIES**

JOHNSON MOTORS — CHESTNUT CANOES

BEDDING AND FURNITURE

The Largest Stock of Hardware North of 54

**Keddie Hardware Limited**



## *From Flin Flon to Island Falls*

(Continued)

one mile southwest of the power house and nine small earth dams at various points in the forebay shoreline. The main dam supports the waterhead of fifty-six feet and backs the water up the river for thirty miles forming a lake approximately fifty square miles in area.

The power unit consists of three ver-

12,000 KVA each to three banks of transformers which steps the generated voltage up from 6,600 volts to 110,000 volts for transmission to Flin Flon.

After visiting the plant we return to the camp which was originally laid out to accommodate 800 men. Everything possible is maintained for the convenience of the employees. Our route pas-

ses, gardens,

pig pen,

stable and

chicken house

entering the

camp from

the south end

the main

street from

which the

baseball dia-

mond, tennis

court, picture

show, recrea-

tion hall, ska-

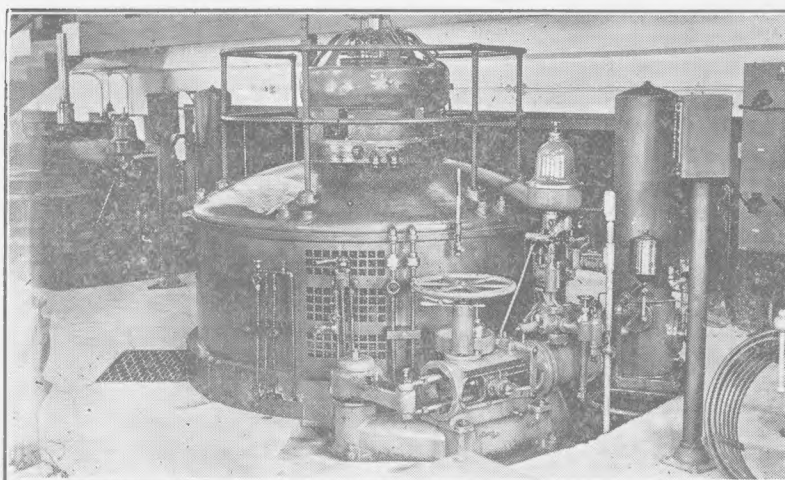
ting rink, kit-

chen dormi-

tory, store, refrigeration plant, laundry

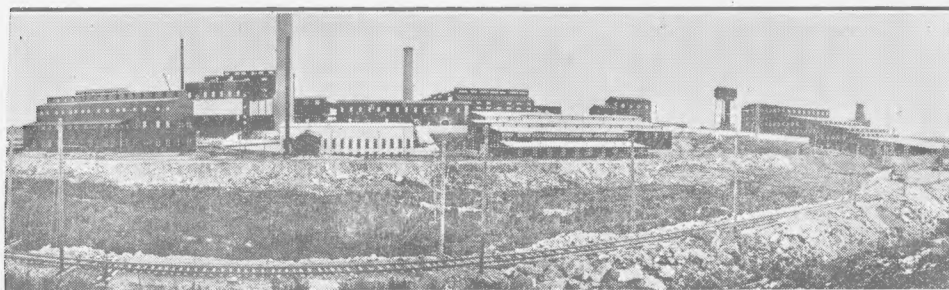
and staff cottages radiate.

A few sets of tennis and a talking picture show puts in excellent condition for a good night's rest and the return journey in the morning.



A. Unit House Generator at Island Falls

14,000 h. p. each, the larger ones operating under a head of fifty-six feet, while the two smaller ones operate under forty feet. To these prime movers are coupled the alternating current generators, the large ones delivering tidal propeller type water turbines of



VIEW OF THE HUDSON BAY MINING & SMELTING CO. PLANT AT FLIN FLON

# BELL'S HARDWARE

PROSPECTORS' SUPPLIES

Fishing Tackle — GUNS — Johnson Engines

GENERAL HARDWARE

Free Baggage Transfer

Free Baggage Transfer

## New Richmond Hotel

EUROPEAN PLAN

TELEPHONE 108

HOT AND COLD RUNNING WATER

J. A. McDONALD, Manager

## The Gateway Drugs Limited

*REXAL STORE*

THE LARGEST DRUG STORE IN FLIN FLON

## THOMPSON ELECTRIC

ELECTRICAL CONTRACTORS

GENERAL ELECTRIC AUTHORIZED DEALER

RADIOS — WASHERS — REFRIGERATORS

100 Main Street

## *Flin Flon - Gateway of the North*



**T**HE UNDAUNTED courage of the hardy pioneer, who, only a few short years ago, cut roads and trails into Manitoba's northern hinterland is rewarded with a monument of six thousand living souls and a mining plant whose every heart beat gushes life blood to thousands directly and indirectly from coast to coast.

From a few log shacks in 1927 to a modern metropolis that leads all other communities in the welfare of its people, the schooling of its children and the giving to all of healthful sport and recreation, Flin Flon progresses as a continuous salute to those glorious pioneers.

The indoor Curling and Skating Rink built by public subscription and a generous donation from the Hudson Bay Mining & Smelting Company is one of the finest in the Dominion. Six sheets of curling ice tempt young and old advocates of that roarin' game. The annual Flin Flon Bonspiel attracts curling entrées from near and far. A feature of this Bonspiel is the Hudson Bay Mining & Smelting Trophy, competed for annually and at present held by Premier John Bracken of Winnipeg. The trophy is the largest curling trophy in the Dominion and is valued at many thousands of dollars.

Hockey enjoys an enviable spot in

the realm of Flin Flon sport. To produce an Allan Cup team is a secret desire cherished by the executives and fans of the Hockey Club. If diligent hard work and careful training are requirements, Flin Flon will soon boast of its Allan Cup team.

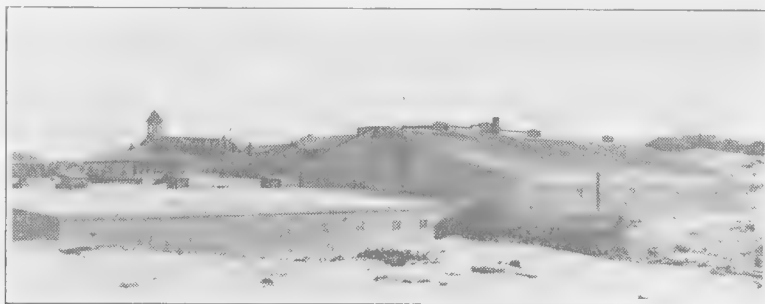
Ice skating is a popular winter sport with children and grown-ups. The indoor skating rink with its huge ice sheet is a magnet to lovers of this healthful recreation. Winter ice Carnivals in costume rival the Mardi Gras while cares and worries are banished in the glittering, whirling kaleidoscope of the brightly costumed skaters.

Skiing, tobogganing and tally-ho parties lend zest and thrills to winter life in the north.

The north is not all winter and the warm summer days lend enchantment to the golf lovers. Tennis, baseball, swimming, boating, fishing, hunting and trapshooting are a few of the varied outdoor sports which beckon lovers of the great out doors, while indoor sports of badminton, basketball, volleyball and physical culture drill while away those rainy days.

The annual Sports Day is held on Dominion Day, July 1st and is one of the biggest events of the year. Sports of all description are indulged in and many valuable prizes are won each year. The underground miners stage mucking, machine and hand drilling

(Continued on the next page)



Flin Flon Skating and Curling Rink,

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***Flin Flon Music and Jewelry Store***

HEADQUARTERS FOR SOUVENIRS

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WATCH AND JEWELRY REPAIRING

---

L. M. MACKENZIE, Proprietor

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WHEN NORTH OF "54" STOP AT

THE

**FLIN FLON HOTEL**

"THE HOTEL OF THE NORTH"

HOT AND COLD RUNNING WATER

— BATHS AND SHOWERS —

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CLEAN, COMFORTABLE ROOMS

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Reasonable Rates

Free Baggage Transfer

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***JOHN REUTER***

MANUFACTURER

KLEENOL HANDCLEANSER — "MA BELL" CLEANSER

— SOAPS — FACE POWDERS — SHAMPOO OILS, Etc. —

CHANNING — — — — — MANITOBA

## *Flin Flon - Gateway of the North*

(Continued from preceding page)

contests in which interest and competition run high. Marathon races, baseball, football and all forms of outdoor sport are the order of the day while the whole town takes a holiday in a gala and festive mood.

The Flin Flon Boating and Angling Association award a trophy each year for the prize winning catch of the season. Fishing being one of the major sports in Flin Flon, this trophy is highly prized by the lucky angler.

Boating on the numerous lakes around Flin Flon is more and more becoming the natural recreation of the mining town citizens. Summer camps have been erected by various people and the annual boat races draw many fast entries. From Flin Flon one can journey by canoe and motor to almost any part of the North.

The Saskatchewan Government is now completing the fourteen mile highway from Flin Flon to Beaver Lake. This will give access by automobile to Denare Beach on the shores of Beaver Lake. Denare Beach has been surveyed by the Government and most of the lots have been sold to Flin Flon resi-



dents who will build summer houses there. No more beautiful spot exists within many miles of Flin Flon as Denare Beach and with its easy access will prove a popular northern resort.

The advent of the railway and the airplane into the North brought Flin Flon to the border of Manitoba's wilderness. From Flin Flon one may step into an aeroplane and in a few minutes step out at Pelican Narrows, Island Falls, Sherri-don, Cranberry Portage or The Pas. Regular schedule trips make these once far-distant points seem like our next-door neighbors. For those who want the thrills of more primitive travel the water route to these points by canoe is unexcelled. Beautiful lakes, rapidly swirling streams and now and again a fast pace through rapids to avoid a portage. Camping outdoors with the aroma of a freshly caught lake trout tickling your nostrils is an exhilarating and healthful experience.

Truly Flin Flon spells, "The Gateway to the North",—the Gateway to Tomorrow. Progress and unceaseless development are pass words through the gate.



## Outline of Development and Operation at the Flin Flon Mines

Flin Flon is essentially a town that Copper built. The huge plant of the Hudson Bay Mining & Smelting Company is solely responsible for the tremendous development that followed the completion and subsequent operation of its plant. Being the third largest copper producer in the world the plant ranks high as a model of efficient, scientific operation.

The original discovery of ore and staking of the property was done in 1915 by Thomas Creighton, Jack Mosher, Leon and Isadore Dion and Dan Milligan. Mr. Jack Hammell negotiated the first option for sale of the property to New York interests in 1916. From 1916 to 1922 spasmodic work was done on the property, at first by surface trenching and later by Diamond drilling and by a small amount of underground development. Although a large orebody was proven to exist at Flin Flon by this work, none of the interests who at one time and another had held options on or owned the property prior to 1925 had felt advised to undertake the operation of the property because of the low grade complex character of the ore, and the long distance the property was from the near-

est railroad.

In 1925 arrangements were made by Mr. R. H. Channing, Jr. and Mr. R. E. Phelan, representing the Harry Payne Whitney interests to examine the property which was then owned by the Mining Corporation of Canada. The examination confirmed the size and the grade of the orebody, and disclosed a suitable hydro-electric power sight at Island Falls on the Churchill River in Saskatchewan, some 60 miles north and west of Flin Flon. With the assurance of cheap electric power and government backing for the building of a railroad to Flin Flon, an option to purchase the property was obtained and a long period of laboratory test work was started in an attempt to work out satisfactory methods of treating the complex ore in which the principal values were gold, silver, copper and zinc. Prior to the examination of the property by the Whitney interests, the value of the zinc in the ore deposit had apparently not been looked upon as worthy of consideration but it was an important factor in the final decision to eventually go ahead with the development of the property.

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Powerful Electric Locomotives Haul Ore From Open Pit to Crusher



## Outline of Development and Operation at the Flin Flon Mines

(Continued from preceding page)

After nearly a year of laboratory test work, and while additional testing was being done it was decided to put up a semi-commercial size concentrator and cyanide plant at the property to check the results obtained in the laboratory before deciding on the purchase of the property and the construction of the commercial plant. Construction of the pilot plant was started in 1926 and by reason of the results obtained in the operation of this pilot plant the option to purchase the property was exercised in the fall of 1927, and the Hudson Bay Mining and Smelting Co. was organized in December of that year to finance the building of the plant and opening up of the property.

During the following two and a half years, from January 1928 to July 1930, the railroad was built from The Pas to Flin Flon, about 36,000 tons of material were hauled by Linn tractor from Flin Flon to Island Falls over a 70-mile winter road, the Island Falls power plant having a rated capacity of 44,000 H. P. was completed, a 60-mile high-tension transmission line was built from the power plant to Flin Flon, the plant at Flin Flon was constructed, and both the underground and open pit mine prepared for actual mining operation. The power plant and transmission line were built on contract while the work at Flin Flon was done by Hudson Bay Mining and Smelting Co. employees.

The power plant and the transmission line were put into operation in June 1930 and the plant started operat-

ing in July, 1930. The plant was originally designed to treat 3,000 tons of ore per day and started up handling about 2,800 tons per day but this tonnage has been gradually built up so that since the middle of 1932 there have been treated on an average in excess of 4,000 tons per day.

About two-fifths of the ore is being mined at present by underground methods and the balance by open pit mining, although later on all of the ore will have to be derived from the underground mine.

The underground ore is delivered to coarse ore bins at the crushing plant and is fed direct from these bins to a large gyratory crusher capable of crushing pieces of ore which are as large as three and a half feet in diameter. The ore from the open pit is delivered in large side dump cars to the same crusher. The crushed ore delivered to the concentrator is a product in which the pieces of ore have all been broken to size not exceeding one half inch in maximum thickness. This crushing plant product is ground down to about 70 per cent. minus 300 mesh or finer than talcum powder, before it is sent to the flotation section of the concentrator. A product containing more concentrated copper, gold and silver values is separated out by flota-

(Continued on next page)



A Favourite Method of Winter Transportation in the North

## Outline of Development and Operation at the Flin Flon Mines

(Continued from preceding page)

tion methods and is known as a copper concentrate which is sent to the copper smelter for further treatment. Another product containing concentrated zinc concentrates is sent to the cyanide plant in order to recover small amounts of gold and silver before sending the tailings to waste.

The zinc plant recovers an extremely high grade electrolytic zinc (99.99 per cent. pure zinc) from the zinc concentrates. The slab zinc produced at Flin Flon is a finished product and is ready for shipment direct to consumers.

The copper smelter recovers from the copper concentrates a blister copper assaying about 99 per cent. copper. The blister copper also contains gold and silver recovered from the copper concentrates and from the cyanide plant precipitate. The blister copper is shipped to the Canadian Copper Refiners plant in East Montreal, Quebec, where the gold and silver are recovered from the copper, refined, and made ready for sale to manufacturers.

### THE UNDERGROUND MINE

Many visitors to Flin Flon take advantage of an opportunity to visit underground where mining operations are carried on through unique methods. Mining a low grade ore calls for a large tonnage to be put through mill and smelter. To economically mine ore on this scale it is necessary to eliminate

all wasted operations in the handling of ore underground.

Three levels are established in the mine; one on the 390 level, one on the 650 level and one on the 1170 level. Access to the levels is gained through two vertical shafts. The Main Shaft is a five-compartment steel timbered shaft 14 feet by 19 feet in cross section. Ore from underground is hoisted through the Main Shaft. The ore in the underground Mine is first made ready for mining, or developed, by taking sections of the orebody between the 390 and 650 levels and preparing the blocks individually for the removal of the ore. The length of these blocks or stopes, as originally laid out, was 250 feet which has been steadily increased until now, when conditions permit, 500 feet stopes are developed and mined. Pillars extending from the 650 to the 390 level are left at each end of the stopes to give support to the walls. In each of these pillars a Supply Raise is driven from the 650 to the 390 level, and an electric hoist and cage installed. Sub-level drifts are then driven horizontally from Supply Raise to Supply Raise at vertical intervals of 40 feet. A mining raise is then driven up in the centre of the stope and from this raise mining commences. On the 650 level Scram Drifts are driven horizontally from pillar to pillar 16 feet above the main level and directly under the orebody.

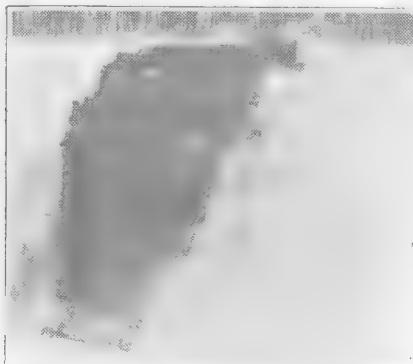
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New C. N. R. Depot at Flin Flon

## Outline of Development and Operation at the Flin Flon Mines

(Continued from preceding page)



**Powerful Lynns Haul Freight and Supplies to Island Falls**

Stope raises are then driven up from the Scram Drift connecting it with the first sub-level drift. This is done in order that all the ore will run into the Scram Drift. The ore is scraped along the floor of the Scram Drifts, falling through grizzlies into cars spotted on the Main Haulage Level below.

When all the development in a block has been completed, stoping operations commence. The first step is to cone or enlarge the stope raises from the Scram Drift to the first sub-level drift. The mining raise in the centre of the stope is enlarged between the first and second sub-level drifts to the full width of the orebody. The ore is drilled in a series of benches, and when blasted falls into the Scram Drift. As the second sub level retreats and the ore is removed, the third and fourth sub-levels are cut loose and opened up in the

proper sequence. This always leaves solid ore above the men working on benches. All of the stoping is done by means of horizontal and vertical holes drilled into the bench. These holes are blasted by the miners whenever the bench is ready.

The ore falling into the Scram Drifts through the Stope Raises is scraped by means of 150 H.P. electric slushers operating 84" all-manganese hoe type scrapers weighing 4,000 pounds. Each scraper drags about three and one-half tons of ore per trip. All the ore haulage is carried out on the 650 level Main Haulage Drift in 10-ton capacity Granby type mine cars. Cars are made up in trains of six, and are hauled over 36" gauge trackage by 8 and 20 ton electric trolley locomotives to the Main Shaft. Here the cars are run over self-dumping tripplers and the ore is discharged into the 800-ton shaft pockets. From the shaft pockets the ore is drawn into the two 10-ton skips operating in two compartments of the Main Shaft and is hoisted to the surface and dumped into two steel storage bins which in turn discharge into the 42" gyratory crusher at the head of the crushing plant.

### Pure Zinc Produced at Flin Flon Plant

An outstanding feature of the H. B. M. & S. Co., plant at Flin Flon is the extreme purity of the zinc produced. The zinc often contains less than one

(Continued over centre page)



**Ross Lake Area Subdivision of Flin Flon**

## *Board of Trade Executive*

On this page are the officers and executive of the 1935 Flin Flon Board of Trade. Through the activities of these men the Board of Trade enjoyed a most successful and active year during 1935.

Each year growing stronger, the Board of Trade is becoming more and more an important factor in the development of the North. Its interests, lie not only in the general and business welfare of Flin Flon, but to giving of wholehearted support to all public and private projects affecting the industrial and economic progress of Northern Manitoba.



**G. W. EVANS**  
President



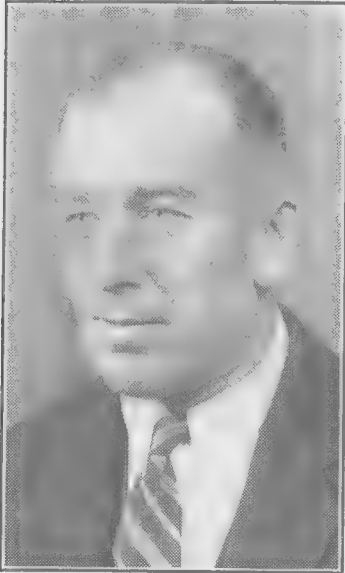
**J. E. STURLEY**  
Executive



**S. P. LOWE**  
Executive

FLIN FLON, MANITOBA

"NORTH OF 54"



**J. A. McDONALD**  
Vice-President



**P. H. FOSTER**  
Sec'y-Treas.



**W. B. SCARTH**  
Executive



**H. C. STEVENS**  
Executive

## Outline of Development and Operation at the Flin Flon Mines

(Concluded from page before center)

hundred parts of impurity in a million parts of zinc or is 99.99 plus per cent pure. This high purity is the result of careful attention to every operating detail throughout the plant and credit for this accomplishment is due to the superior intelligence, the conscientious work and the unfailing loyalty of the workmen in every department. This quality product commands a preference in many industries. Zinc oxide made from this zinc is whiter and makes better paint. This quality makes better brass and can be cast to certain intricate shapes which are impossible with ordinary zinc. Iron galvanized with this zinc has a longer life. This super-purity product has been established on the world market and is in demand wherever zinc is used.

### Flin Flon Plant Model of Efficiency

While in the preceding article we have only sketched a brief description of the Flin Flon copper plant, it is really impossible to describe in detail the marvelous efficiency that has brought this plant to the forefront in the mining annals of history.

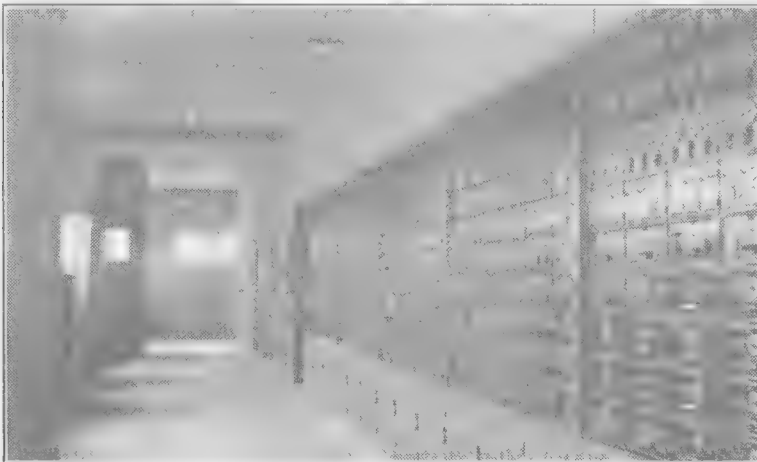
Completely electrified by power supplied from Island Falls every task possible is performed through the use of

electrical equipment. All haulage track in and around Flin Flon is electrified and powerful locomotives operated by electricity are used for transportation of ore from the open pit to crusher. Electric Marion Shovels are used in the open pit for loading the trains.

For drilling open pit ore and waste materials for blasting, Armstrong electrically driven blast hole drills are used. These rigs drill six inch holes to any depths required.

In the final stages of the mining operations, that is the smelting, blister copper is produced. The copper is cast into 400 pound slabs and shipped to the Canadian Copper Refiners at Montreal. Any gold and silver in the concentrates remain with the copper and are recovered at the refinery.

While little has been said about the mill where the various concentrates are separated this particular department is one of the most important in the entire operation. It is here where the complex ore is forced to give up its treasures of gold, silver, copper and zinc. In this plant is the famous flotation process that was developed to mill the particular class of ore found at Flin Flon.



Interior View of New Flin Flon Post Office



## *Progress Rapid North of "54"*



**T**HE amazing growth and development which has taken place at Flin Flon during the past five years includes the complete building of a town with a population of over five thousand. Modern in every respect the town has a complete water and sewer system, electric light and power, modern schools educating over seven hundred children, community buildings, indoor skating and curling rinks, up-to-date theatres and first class business establishments.

Flin Flon is incorporated as a municipal district governed by a Mayor and a Council and a Board of School Trustees. The town has no debentures issued and all public improvements were paid for as the work progressed. Nestling am-

ongst rocks and muskeg the laying of water and sewer mains presented costly engineering problems. The rapid growth of the town meant the addition of sub-divided areas to care for building of homes which have already filled every available lot in the townsite. The construction of roads over the rugged terrain is a slow and expensive difficulty. Facing all problems, Flin Flon has grown by leaps and bounds. Building permits issued in 1935 totaled close to two hundred thousand dollars. Old buildings are being demolished and modern structures erected as the development North of "54" proceeds.



One of Flin Flon's Modern Schools

THIS BOOKLET PREPARED AND  
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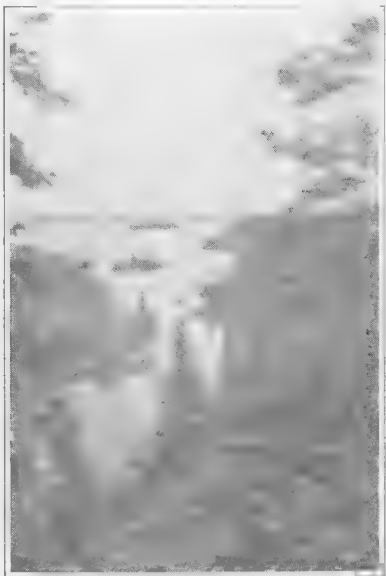
### **THE MINER PUBLISHING COMPANY**

FLIN FLON, MANITOBA

Publishers of  
**THE FLIN FLON MINER**

Printers to  
**Particular People**

## *Beautiful Lakes Lure Campers*



**Scenic Splendour of the North**

Beautiful lakes abounding with game fish provide a strong lure for all outdoor enthusiasts in the North. Many Flin Flon residents have built permanent camps on the shores of some of the nearby lakes where holidays and weekends may be spent in healthful recreation—hunting, fishing, swimming and boating.

All manner and types of outboard

motor boats may be seen all summer cruising the lakes, exploring the deep bays or perhaps a camp is erected on some pretty beach where the owner may enjoy complete peace and relaxation.

The Annual Regatta is held at Athawaki Beach some 18 miles from Flin Flon on the shores of beautiful Athapapuskow lake. Regular excursions are run during the summer months by the railroad to this spot where a large shallow beach provides safe water enjoyment for children.

The tourist visiting the north for the first time is generally impressed with the virgin country nestling so close to such things as one of the most modern copper plants in the world and a completely modern town built in the short span of five years. They are also impressed with the warm hospitality of the northern people who spare no effort to assure them of a happy time while here.

Miles of navigable waterways reaching to the outposts of civilization are accessible from Flin Flon. Here it is the end of the steel and one of the central distributing points for the North. For a purely different vacation, try visiting North of "54".



**A Camp On Beautiful Lake Athapapuskow**

## Local Prospects Have Promising Future



**W**ITHIN a few miles of Flin Flon lie several properties that give promise of becoming important mines in the near future. Of these favorable progress has marked the exploratory campaign at the property of Flin Flon Gold Mining Syndicate near Flin Flon, Manitoba.

Development underground to date has given the management reason to expect that work during the early part of 1936 may make possible a decision as to mill installation.

The last official statement over the signature of Mine Manager O. B. Gwilliam and Consulting Geologist Dr. J. F. Wright reads as follows, in part:

"Of the drifting completed on the 125-ft. level, 47 per cent is in ore. The vein is well-defined at the end of both drifts and there is a possibility of extending the ore both northwest and southeast when drifting is resumed on this level. The east ore shoot indicated by drilling has been followed 134 feet, and across a mining width of 30 in. averages \$15.00 in gold a ton. The west shoot has been followed 150 ft., and across a width of 30 in. averages \$9.10 in gold a ton. Between these two shoots sulphides are present in the schist body throughout most of the distance of 470 ft. In this section of the drift, one body of sulphides and schist averages \$8.05 in gold a ton across a mining width of 30 in. for a length of 28 ft., another body 18 ft. long and 30 in. wide carries \$7.90 in gold a ton, and a third 29 ft. long averages \$11.20 in gold across a mining width of 30 in. A narrow and nearly parallel vein of massive sulphide in the hanging-wall west of the shaft was followed for 29 ft., and across 30 in. the average gold content is \$9.30 a ton for this distance. A second parallel sulphide zone west of the shaft and about 10 ft. from the main zone in the

footwall, will be explored in the future. The presence of these low grade lenses along the sulphide-bearing zone and of bodies in the walls, suggests that ore may be expected in other parts of the schist body to be explored in the future.

"In order to get information regarding the average grade of the sulphide-bearing zone at depth, the shaft will be extended to 375 ft. below the surface, and drifting completed on two additional levels. Diamond drilling will be completed for parallel deposits in the walls, and this program will take four months with the present plant. Plans for enlarging the mining plant and milling the ore will be based on the results of the exploration of the first three levels."

### The Henning-Maloney Property

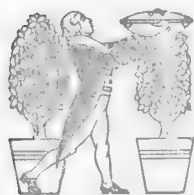
The Henning-Maloney property, six miles to the south-west, in Saskatchewan, has received the greatest development. Here fine buildings have been constructed and over forty men employed all summer. The camp site is at the edge of Douglas lake and the buildings are all equipped with running water. The main shaft was sunk to a depth of over 250 feet with considerable underground work, drifting and raising. Excellent assays have been received at this mine warranting further work and an extensive drilling program has recently been carried out. The promoters are also interested in property at Tartan Lake and have this last few weeks been concentrating their work on the new property to bring it up to an equivalent development by spring.

Adjoining the Henning-Maloney on the north is the Flin Flon Gold Mines, locally known as the Beda property.

Adjoining both the Beda and Henning-Maloney Mines is the Wekach Lake Gold Mines property. Work was carried on at this prospect during the summer, surface work revealing inter-

(Continued on next page)

# NORTHERN CAFE . . . . .



FLIN FLON'S UP TO DATE RESTAURANT

MEALS AT ALL HOURS

Service Unequalled



PRIZE WINDOW KING'S JUBILEE CELEBRATION

## ***O. H. LAMONT & COMPANY***

GENERAL MERCHANTS

GROCERIES — DRY GOODS — SPORTING GOODS

MAIN STREET

FLIN FLON, MANITOBA

## **Beaver Lumber Co. Limited**

LUMBER AND BUILDING SUPPLIES

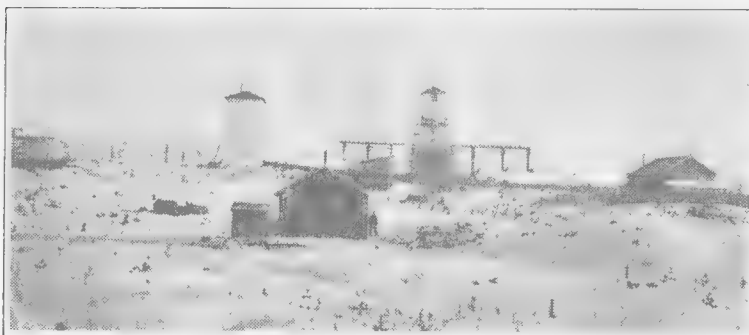
THE FINEST SHEDS AND  
LUMBER SUPPLIES IN  
THE NORTH COUNTRY

H. C. Stevens, Manager

Flin Flon, Manitoba

## Local Prospects Have Promising Future

(Continued from preceding page)



Henning-Maloney Mines Near Flin Flon

esting structures, large veins of commercial value being exposed. A diamond drilling program is being planned by the directors of the company and important announcements are expected soon.

To the north of these properties the Allan M. shows an extensive ore body, rich in copper and gold. This property was the scene of extensive surface work this past summer and a diamond drilling program is contemplated.

Among other interesting properties in the close vicinity are a large nickel deposit north of Flin Flon at Barrier Lake, and gold prospects at Big Island Lake, Phantom Lake, Annabelle Creek, Schist Lake and Pipestone Lake.

A few miles south of Flin Flon at Cranberry Portage is the Wylie-Dominion Mine now known as the Guernsey Gold Mines. Here extensive development work underground has proven high values in a large orebody. Continued work on this property is expected to bring it to production shortly. At Cranberry Portage there is also the Gold Hill Mines and the Murphy McMartin Mines. Both of these properties are doing extensive surface exploration to be followed with dia-

mond drilling programs. A few miles from Cranberry Portage at Elbow Lake there are many interesting prospects that are making a strong bid to becoming producers.

The successful development of these properties depends largely on ample finances. The past five years have made it extremely hard for promoters to interest capital in face of the market slump. World conditions which are improving generally tend to add a note of optimism and the coming years are looked forward to as the largest development boom the north has ever seen.

Increase in copper prices will see the re-opening of the Sherritt-Gordon Mine which would employ a thousand men and support a community of several thousand people. With full dinner pails and healthy payrolls the North is today one of the brightest spots on Canada's industrial horizon.



Schist Creek Near Flin Flon

WHEN IN FLIN FLON

EAT AT

*The  
Golden Gate  
Cafe*



BEST EATING  
PLACE IN TOWN  
PHONE 73  
MAIN ST.

FREE BAGGAGE TO AND FROM ALL TRAINS  
RATE \$1.50 AND \$2.00 PER DAY

ROYAL HOTEL

A. A. FELDMAN, Manager

NEW SAMPLE ROOMS

WELL LIGHTED & HEATED

Ostry's Department Store

A. OSTRY  
Proprietor



FLIN FLON'S  
LEADING  
STORE

THE  
STAG

O. OLIVER, Proprietor

BOWLING  
and  
BILLIARDS



## What Others Say



**W**HAT a wonderful reception that was at Flin Flon, when our train with its two locomotives drew into the station. It was a great adventure to see the much talked of Flin Flon mine, with its great plant, battery of buildings—some tall and gaunt with grime and smoke, others squatty and bulging as if the interior were too heavy. Those tall chimneys belching forth smoke, as if Hades itself were trying to escape! Those fussy electric locomotives, hauling huge cauldrons of molten substance to the spoil bank! That intricate network of railroad track, leading here, there and everywhere.

The officials were headed by the general manager, Mr. Phelan; everyone dressed in garb suitable for the strenuous work entailed in keeping the wheels of industry turning at high speed to produce the precious metals so necessary for mankind.

The trip around the plant on flat cars was extremely interesting particularly so when we journeyed to the bottom of the great cut, where the compressed air drills, handled by the drillers clinging like spiders to the face of the rock, beat out the rata-tat-tat, like so many machine guns; they were making the holes ready for the dynamite to blast the rock to pieces of a size convenient to handle. The trip through the concentration building was also of great interest, where the rock was pulverized ready to go through the flotation process—then through the furnaces and eventually poured into ingots ready for the markets of the world.

Flin Flon, itself, was unique, too, presenting the appearance of a regular frontier town, with the dwellings dis-

tributed over a large area. The water and sewer system—both lines of pipe laid right on the surface of the ground to prevent the cost of rock excavation, with a special insulation to guard against frost in winter, was unique, too.

### Hudson Bay Mining and Smelting Co.

Over 1,500 employees are engaged by the Hudson Bay Mining and Smelting Co.'s plant, which works 24 hours per day and 365 days per year. The annual payroll is \$2,400,000, and the production value of the plant is over \$6,000,000 per annum.

The plant represents a capital investment of over \$30,000,000.

Some of our guests had the privilege of inspecting the underground workings of the plant, and were down 1,200 feet below the surface.

A delightful luncheon was accorded several of our guests by the Flin Flon Board of Trade; present were: George Evans, president of the board; Mayor Mainwaring; R. E. Phelan, general manager of the company; B. Stitt, federal member for the constituency; John Bracken, premier of Manitoba; and Hon. D. G. McKenzie.

In the evening a grand ball was held in two of the community halls, and was attended by many of the town's people and guests from our train. The ladies, charmingly dressed, would have done honor to more auspicious gatherings in more populated centres. A wonderful time was had by all.

Many friendships were made during our short stay, and many folks were prone to leave when the time came for departure.

Tired, but happy, we all appeared—ready for bedde, per Pepys.

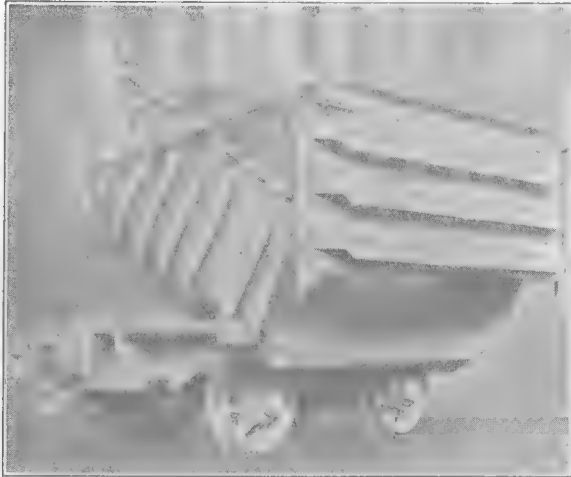
(Extract from the "Daily Wail" issued en route on Paulin Chambers' 1935 excursion to Flin Flon and Churchill.)

# VULCAN IRON WORKS LIMITED

Winnipeg  Manitoba

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1874



Granby Type Mine Car

## Manufacturers of MINING EQUIPMENT

Mine Cars  
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Ball Mine Liners  
Oil Furnaces  
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Structural Steel  
Ornamental Ironwork  
Iron, Steel, & Brass  
Castings

# SPORTSMANSHIP

In the realm of big business—mines, mills, railroads, lightering and general industry—it is a point of satisfaction to hear many of our customers say we have played the game of supplying big timbers—clean, firm and square.

# TIMBERLAND LUMBER COMPANY LTD

New Westminster

British Columbia

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# **Flin Flon's Progressive Trend**

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IS APTLY DEMONSTRATED IN THE RAPID DEVELOPMENT AND CONSTANT INCREASE IN THE USE OF

## **Exclusive C R A N E Materials**

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THE HUDSON BAY PLUMBING CO.  
ARE SATISFACTORILY SERVING THE  
MINING FIELD OF NORTHERN MANITOBA  
AND RELIABLE SERVICE COUPLED  
WITH THE USE OF **CRANE MATERIALS**  
HAVE MADE US LEADERS.

## **HUDSON BAY PLUMBING COMPANY**

P. H. FOSTER, Mgr.

:—:

Telephone 63

## *Come to the Friendly North*



**N**ORTHERN Manitoba's lakes and woods offer great sport and a full bag. When you get into the wilds with some boon companion and a guide

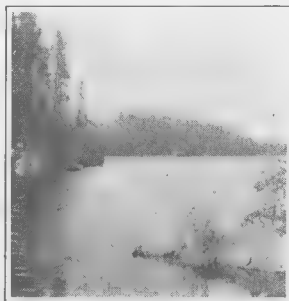
who knows his job—cooks like a master,—you'll never forget it.

Leaving Flin Flon, a day's travel through beautiful lakes and streams will bring you into the wilds where there is game galore. You can bag that moose or deer, or if you prefer to have a bear rug to adorn your den, you can get it here.

There is nothing so thrilling as big game hunting in the autumn when the forests present their brilliant array of colors, when the trout are biting for your evening meal and wild ducks and geese are winging overhead on their journey south.

Whatever sort of trip you are planning, you may depend on it, that a vacation spent in the north holds promise of all the sport and recreation you can possibly enjoy. The numerous lakes and vast country assure you that every trip you make will be an original—new scenes, new thrills, new experiences.

"The Friendly North" is no idle slog-



an. Nowhere is the hospitality and consideration shown visitors as in the north. Wherever you travel here and meet people, you meet friends!

Canoes, motors, guides and supplies can be obtained easily and at a reasonable price at Flin Flon. Write to the Board of Trade for information telling what sort of trip you would like, how much time you have and when you are coming. Your every need will be attended to promptly.

Officials of the Hudson Bay Mining & Smelting Company will extend every courtesy to visitors, so they may have an opportunity to visit their huge plant, the third largest copper producer in the world.

Plan your trip now, and write to the Secretary, Flin Flon Board of Trade, Flin Flon, Manitoba, Canada.



# THE MONARCH LUMBER CO. LTD.

RELIABLE RETAILERS OF  
GOOD BUILDING MATERIALS

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—WE KNOW THE NORTH—ITS PEOPLE—ITS RESOURCES—

## FLIN FLON REALTY COMPANY

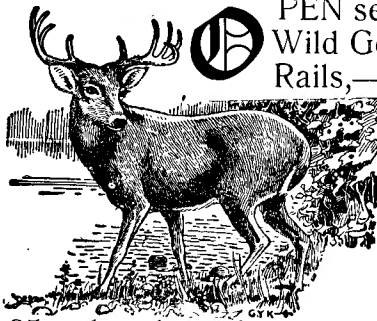
W. F. HUGHES—A. D. CAMPBELL

REAL ESTATE — MINING — INSURANCE

AGENTS FOR SASKATCHEWAN PROSPECTORS' LICENSES



## Game Laws North of 54



PEN season on—

Wild Geese, Wild Ducks of any kind, Coots, Rails,—September 10th to November 30th.

Ptarmigan—October 1 to October 20.

Male Caribous, Moose or Reindeer, Deer,—Nov. 15th to Dec. 5th.

BAG LIMITS—

Geese, 10 a day; season 50; possession 15. Ducks, 15 a day before Oct. 1st,

25 a day thereafter; season 100; possession 50. Coots and Rails 25 a day. Ptarmigan, 15 a day; season 50.

Deer, etc., 1 animal only

### THE SPORTSMAN'S CREED

Dedicated to all those who believe in the Maintenance of our Wild Life and who are ready to be good Manitobans and Good Sports

#### MY BELIEF

I believe that—

1.—The Wild Life of Manitoba is ours to maintain rather than to destroy. We hold it in trust; the rising generation, as well as this one, is entitled to benefit from it. I am one of the trustees.

2.—If the father today exceeds the bag limit, his sons tomorrow will be deprived of the most enjoyable and most healthful of all outdoor sports.

3.—The conservation of our game supply lies very much more in the hands of the sportsman than in the hands of the Game Guardians.

4.—Manitoba's game birds, more than anything else, have been victims of that paltry quibble—"If we don't get them, the people 'across the Line' will get them."

5.—I should remember that though the ducks go south, yet they are Manitoba birds. With ducks, as with humans, where the house is built and the family raised, there is home.

6.—Manitoba has the greatest duck-breeding area in North America. Reorganized authorities, after an exhaustive survey, state that this is true of the marshes north of Lake Winnipegosis.

#### MY RESOLVE

Therefore—

1.—I will not abuse opportunity. I will not be a "game hog" simply because I expect to escape detection.

2.—When I take up my gun I will not lay down my claim to being a loyal, law-respecting citizen.

3.—I will help preserve to the rising generation its rights in our Wild Life.

#### THE GAME BRANCH IS ENDEAVORING TO:

1.—Protect wild life. 2.—Produce more game and fur-bearing animals.

3.—Establish and patrol game preserves and bird sanctuaries.

4.—Provide public hunting grounds. 5.—Develop a public interest.

6.—Urge clean sportsmanship. 7.—Promote respect to the owners or occupants of land. 8.—Encourage farmers to assist in increasing game.

9.—Develop a fur farm experimental station.

# *Flin Flon Board of Trade*

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J. A. McDONALD, Vice-President.

P. H. FOSTER, Secretary-Treasurer

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### Executive

J. E. STURLEY — S. P. LOWE — W. B. SCARTH — HAROLD STEVENS

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	Milt Young





**\$10.00  
FOR  
5¢**

ONCE upon a time, so the story goes, a man took a tray of ten-dollar bills, and stood out on a street corner, offering them to passers-by at five cents apiece. And he didn't make a single sale!

Everyone has heard the story at one time or another. The yarn is generally told to illustrate the fact that the rank and file of humanity is—if we may use the term—pretty dumb. Pass up a chance to get Ten Dollars for a Nickel?—what a brain! But it seems to us that the moral of the tale is actually something vastly different. All it really demonstrates is that *you can't get business until you get confidence*. To the passers-by in the fable, the ten-dollar bills no doubt looked perfectly genuine. There were no strings attached to the deal; and everything seemed 100 per cent except that *they didn't know the dealer*. Not knowing him, they wisely hesitated to gamble even a nickel on the quality of his wares. So, although he offered them 20,000 per cent on their investment, he did no business because he lacked their confidence.

One of the greatest, if not the greatest of all EATON'S assets, is the confidence of the West—confidence based on more than 25 years of mutual respect, each for the other. To the Westerner today, the EATON Catalogue is an institution—"The Price Guide of Canada"—every statement in it accepted as absolutely accurate and reliable—every purchase from it made in the serene conviction that "It's SAFE to save at EATON'S."

**THE T. EATON CO. LIMITED**  
CANADA

**EATON'S**